(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 8 July 2004 (08.07.2004)

PCT

(10) International Publication Number WO 2004/056354 A1

(51) International Patent Classification7: 9/16, A61P 13/08

A61K 31/18,

(21) International Application Number:

PCT/IB2003/006072

(22) International Filing Date:

18 December 2003 (18.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 1292/DEL/2002 20 December 2002 (20.12.2002)

- (71) Applicant (for all designated States except US): RAN-BAXY LABORATORIES LIMITED [IN/IN]; 19, Nehru Place, 110019 New Delhi, Delhi (IN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JAIN, Girish, Kumar [IN/IN]; 4, Sharda Niketan, Teachers' Colony, Pitampura, 110 034 Delhi, Delhi (IN). SRITHARAN, Seetharaman [IN/IN]; - (IN). RAMPAL, Ashok [IN/IN]; 14, Sewa Nagar, Ram Tirath Road, 143001 Amritsar, Punjab (IN).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(\$4) Title: CONTROLLED RELEASE PHARMACEUTICAL COMPOSITIONS OF TAMSULOSIN

(57) Abstract: The present invention relates to controlled release pharmaceutical compositions of tamsulosin or its pharmaceutically acceptable salts thereof. More particularly, the invention relates to a controlled release individual unit or multiple unit formulation comprising a spherical core obtained by adding release controlling agent to a mixture of tamsulosin and spheronizing agent.